

WHAT WE CLAIM IS:

Sub B1 1 5  
1. A color hologram display comprising a combined reflection and volume type of single layer or multilayer, wherein a color pattern of plane characters, images or the like and a color three-dimensional subject image are reconstructably recorded while spatially superposed one upon another.

10 2. The color hologram display according to claim 1, wherein said color pattern of plane characters, images or the like is reconstructably recorded in monochrome.

3. The color hologram display according to claim 2, wherein said color pattern of plane characters, images or the like is reconstructably recorded in green.

15 4. The color hologram display according to any one of claims 1 to 3, wherein a plane shadow of said color pattern of plane characters, images or the like is reconstructably recorded on a surface different from a surface of said color pattern.

Sub B2 20 5. The color hologram display according to claim 4, wherein said shadow is reconstructably recorded in a complementary color to a color of said color pattern.

6. The color hologram display according to claim 4 or 5, wherein said shadow is reconstructably recorded in front of said color pattern.

Sub B2 25 7. The color hologram display according to any one of claims 1 to 3, wherein any shadow of said color pattern of plane characters, images or the like is unrecorded.

8. A process of fabricating a color hologram display, wherein a color three-dimensional subject image and a color pattern of plane characters, images or the like are recorded as hologram images in the same photosensitive material.

5 9. A process of fabricating a according to claim 5 or 6, wherein a subject hologram plate for forming a color three-dimensional subject image and a character hologram plate for reconstructing the color pattern of plane characters, images or the like are separately made, said 10 subject hologram plate and said character hologram plate are spatially positioned with a given space located therebetween, and diffracted light from said subject hologram plate and said character hologram plate is simultaneously entered in the same photosensitive material to record said subject and 15 character hologram plates as hologram images.

10. The color hologram display fabrication process according to claim 9, wherein an area of said hologram photosensitive material other than a portion thereof corresponding to said color pattern of plane characters, 20 images or the like is deactivated by photosensitization, and a reflection type hologram of a scatter plate is then recorded in said portion of said hologram photosensitive material to make said hologram plate.

11. The color hologram display fabrication process according to any one of claims 8 to 10, wherein said subject hologram plate is recorded in three colors, red, green and blue and said character hologram plate is recorded in any one of red, green and blue.

*SL*  
12. The color hologram display fabrication process according to claim 11, wherein said character hologram plate is recorded in green.

*SL*  
*A2*  
13. The color hologram display fabrication according to  
5 claim 5, wherein said character hologram plate for  
reconstructing said color pattern of plane characters, images  
or the like is made, said character hologram plate is located  
in front of a color three-dimensional subject, and diffracted  
light from said character hologram plate and scattered light  
10 from said color three-dimensional subject are simultaneously  
entered in the same photosensitive material to record said  
hologram plates as hologram images.

14. A process of fabricating a color hologram display  
as recited in claim 7, wherein a subject hologram plate for  
15 forming a color three-dimensional subject image and a  
character hologram plate for reconstructing a color pattern  
image of plane characters, images or the like are separately  
made, said subject hologram plate and said character hologram  
plate are superposed one upon another, and diffracted light  
20 from said subject hologram plate and said character hologram  
plate is simultaneously entered in the same photosensitive  
material to record said color three-dimensional subject image  
and said color pattern image of plane characters, images or  
the like as hologram images.

25 15. A subject hologram plate used to fabricate a color  
hologram display, wherein a subject hologram plate for  
forming a color three-dimensional subject image and a  
character hologram plate for reconstructing a color pattern

image of plane characters, images or the like are separately made, said subject hologram plate and said character hologram plate are positioned with a given space located therebetween, and diffracted light from said subject hologram plate and 5 said character hologram plate is simultaneously entered in the same photosensitive material to record said color three-dimensional subject image and said color pattern image of plane characters, images or the like as hologram images.

16. A subject hologram plate used to fabricate a color 10 hologram display wherein a subject hologram plate for forming a color three-dimensional subject image and a character hologram plate for reconstructing a color pattern image of plane characters, images or the like are separately made, said subject hologram plate and said character hologram plate 15 are superposed one upon another, and diffracted light from said subject hologram plate and said character hologram plate is simultaneously entered in the same photosensitive material to record said color three-dimensional subject image and said color pattern image of plane characters, images or the like 20 as hologram images.

*Add A3*  
*Add B4*